



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: LIU, Zhen et al.

Application No.: 10/800,305

Group Art Unit: To Be Assigned

Filed: March 13, 2004

Examiner: To Be Assigned

For:

Atty Docket No.: YOR920040072US1

METHODS AND APPARATUS FOR CONTENT DELIVERY VIA APPLICATION LEVEL MULTICAST WITH MINIMUM COMMUNICATION DELAY

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56 & 1.97(b)(1)

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of C.F.R. § 1.56, Applicants hereby submit and bring to the Examiner's attention the 21 references listed on the three enclosed substitute for form 1449/PTO. Copies of all of the cited references are enclosed. It is requested that the Examiner make this information of record in the case by initialling each reference, signing and dating each sheet and returning a copy of the signed sheets to the applicants.

Since this Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(1) within three months of the U.S. patent application filing date, no fee is believed due.

Respectfully submitted,

Dated: May 13, 200 9

George A. Willinghan, III (Reg. No. 41,377)
Attorney for Applicants

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Washington, D.C. 20016 202-895-1394 (telephone)

CERTIFICATION UNDER 37 C.F.R. 1.8(a)

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in the envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on MAY 1.3 \_\_\_\_\_, 2004.

George A. Willinghan, III (Signature)

41,377 May /3, 200 c (Reg. No.) (Date of Signature) MAY 1 4 2004

Examiner

PTO/SB/08B (08-03)
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				Application Number	10/800,305		
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Sheet	1	of	3	Attorney Docket Number	YOR920040072US1		

Examiner	Cite	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	_
Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/JM/		Akamai Corporation. Internet Bottlenecks: The Case for Edge Delivery Services, 2000. Akamai whitepaper.	
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/Jason Mattis/

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STATEMENT BY APPLICANT			First Named Inventor	LIU, Zhen	
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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/JM/		N. M. Malouch, Z. Liu, D. Rubenstein and S. Sahu. "A Graph Theoretic Approach to Bounding Delay in Proxy-Assisted, End-System Multicast", (IWQoS 2002).	
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